

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed**1.1. Name of the Data, data collection Project, or data-producing Program:**

Vibrio Bacteria Counts from Hatcheries and Shellfish Beds

1.2. Summary description of the data:

From 1996 to the present samples of water, sediment and macerated oyster set (*Crassostrea virginica*, Gmelin) taken at low tide at a Long Island oyster hatchery were plated on Difco TCBS agar to enumerate *Vibrio*-like colony forming units. Microscopic examination of the oyster larvae during the disease episodes revealed globules within the larvae, loss of feeding, swarming of bacteria, and detachment of epithelium. Observations at the hatchery and in experiments in the laboratory revealed transmission of symptoms from "affected" to "healthy" larvae with the majority of larvae showing symptoms typically dying within 48 hours of time.

Variation in *Vibrio* bacterial counts was observed relative to the months in which sampling was accomplished. Overall, the concentration of *Vibrio*-like organisms was highest in the sediment and the meats and was relatively low in the seawater. Examination of the data indicates that there may be correlation between increased concentration of *Vibrio* in the seawater at the same time that there is increased *Vibrio* concentration in the sediment. Sediment concentrations were consistently high. In related publications, these data are further explored and systems and precautions to take during a disease event are discussed.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:

1996 to Present

1.5. Actual or planned geographic coverage of the data:

Bayville, Long Island, New York

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
Document (hardcopy)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

Instrument: TCBS media, plates, glass hockey stick and pipettes.

Platform: Aquaculture hatchery in New York and on a Research Vessel on Long Island Sound.

Physical Collection / Fishing Gear: 50 ml sterile collection tubes

1.8. If data are from a NOAA Observing System of Record, indicate name of system:**1.8.1. If data are from another observing system, please specify:****2. Point of Contact for this Data Management Plan (author or maintainer)****2.1. Name:**

Walter J Blogoslawski

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

Northeast Fisheries Science Center

2.4. E-mail address:

walter.blogoslawski@noaa.gov

2.5. Phone number:

203-882-6535

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Walter J Blogoslawski

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

Yes

4.2. Approximate percentage of the budget for these data devoted to data management (

specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

Physically collect water, sediment, and oyster set from hatchery at Bayville, Long Island and plate them on microbiological media

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

Samples of sediment and seawater are collected in sterile plastic conical tubes. Dilution samples are made using filtered seawater and plating is done directly from the actual sample and from the dilution tubes onto TCBS media. Samples of oyster meat are taken by crushing the shells and extracting the meats and the meats are plated directly and from dilution tubes onto TCBS media. The plates are stored and read at 24 and 48 hours and growth noted in notebooks. All sampling equipment is the same, dilution tubes and TCBS plates are prepared in identical standard fashion for each sampling date and plate counts are made using the same standard method for each reading. All plates are marked with the source (sediment, water, meat), the dilution factor, and the date. All readings were done in duplicate to ensure accuracy.

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

Yes

6.1.1. If metadata are non-existent or non-compliant, please explain:

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://inport.nmfs.noaa.gov/inport/item/26550>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NMFS Data Documentation Procedural Directive: <https://inport.nmfs.noaa.gov/inport/downloads/data-documentation-procedural-directive.pdf>

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

Northeast Fisheries Science Center

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:

7.3. Data access methods or services offered:

Contact Point of Contact listed for this Data Set or Hatchery Owners

7.4. Approximate delay between data collection and dissemination:

1 - 3 weeks

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

No Archiving Intended

8.1.1. If World Data Center or Other, specify:**8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:**

Waiver due to adverse effects to shellfish industry businesses

8.2. Data storage facility prior to being sent to an archive facility (if any):

NEFSC Milford Lab - Milford, CT

8.3. Approximate delay between data collection and submission to an archive facility:

Unknown

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

Scheduled backups, Remote storage backups, Password protection

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.